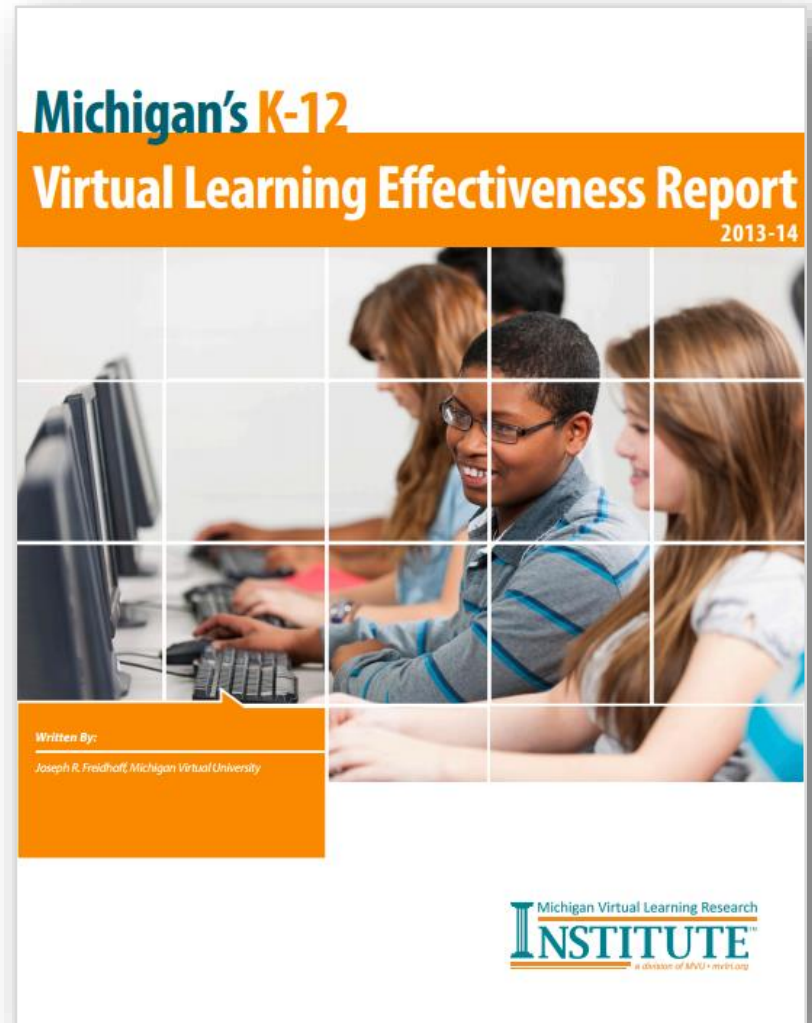


Michigan's K-12 Online Learning Effectiveness Report: 2013-14

Jamey Fitzpatrick
Joe Freidhoff



Available at http://media.mivu.org/institute/pdf/er_2014.pdf



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WE STARTED WITH ALL MICHIGAN K-12 PUBLIC SCHOOL STUDENTS

Michigan
K-12 Students



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STUDENTS WERE EITHER VIRTUAL OR NON-VIRTUAL LEARNERS

Michigan
K-12 Students

Virtual Learners
(1+ Virtual Courses in 13-14)

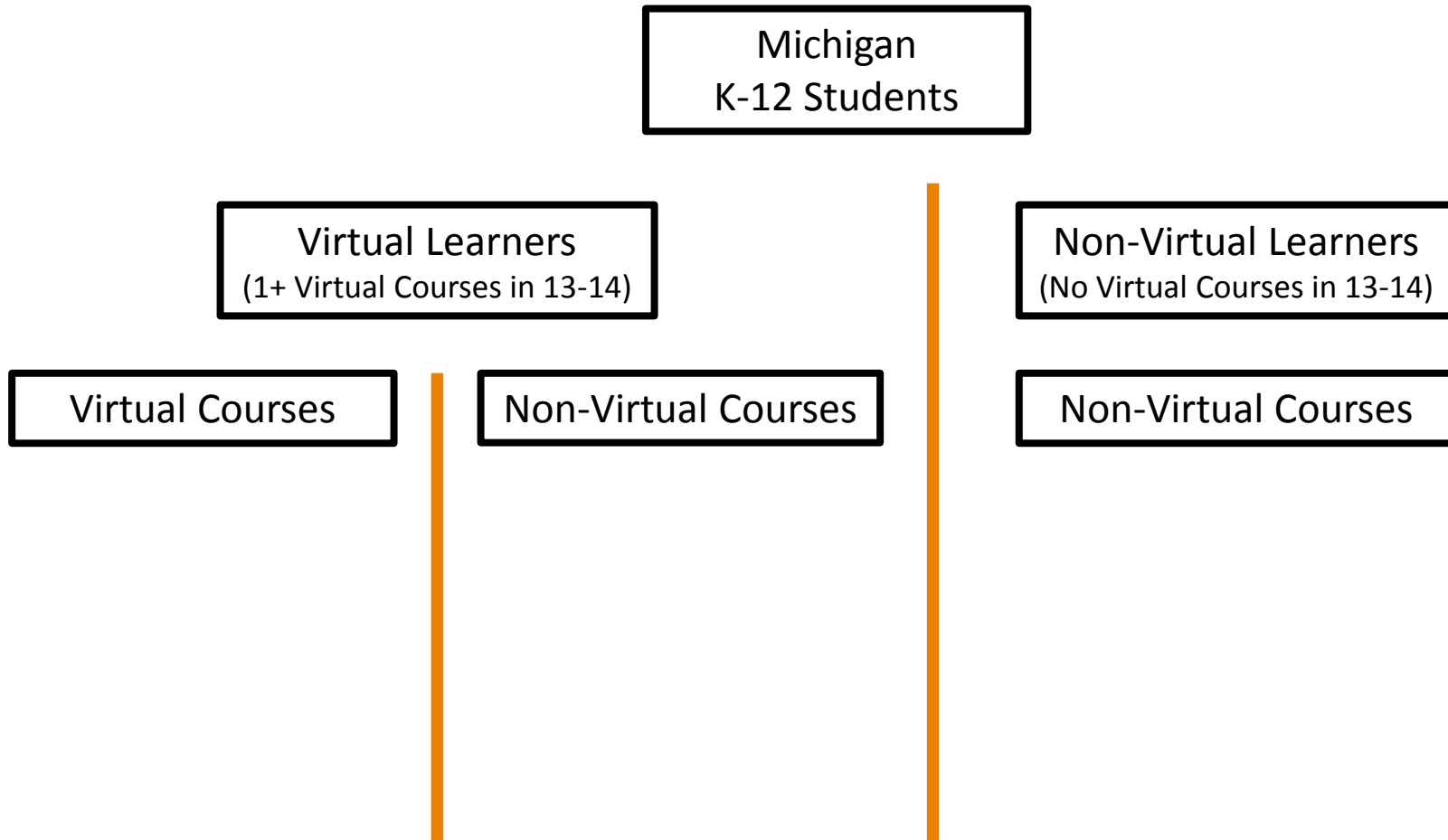
Non-Virtual Learners
(No Virtual Courses in 13-14)



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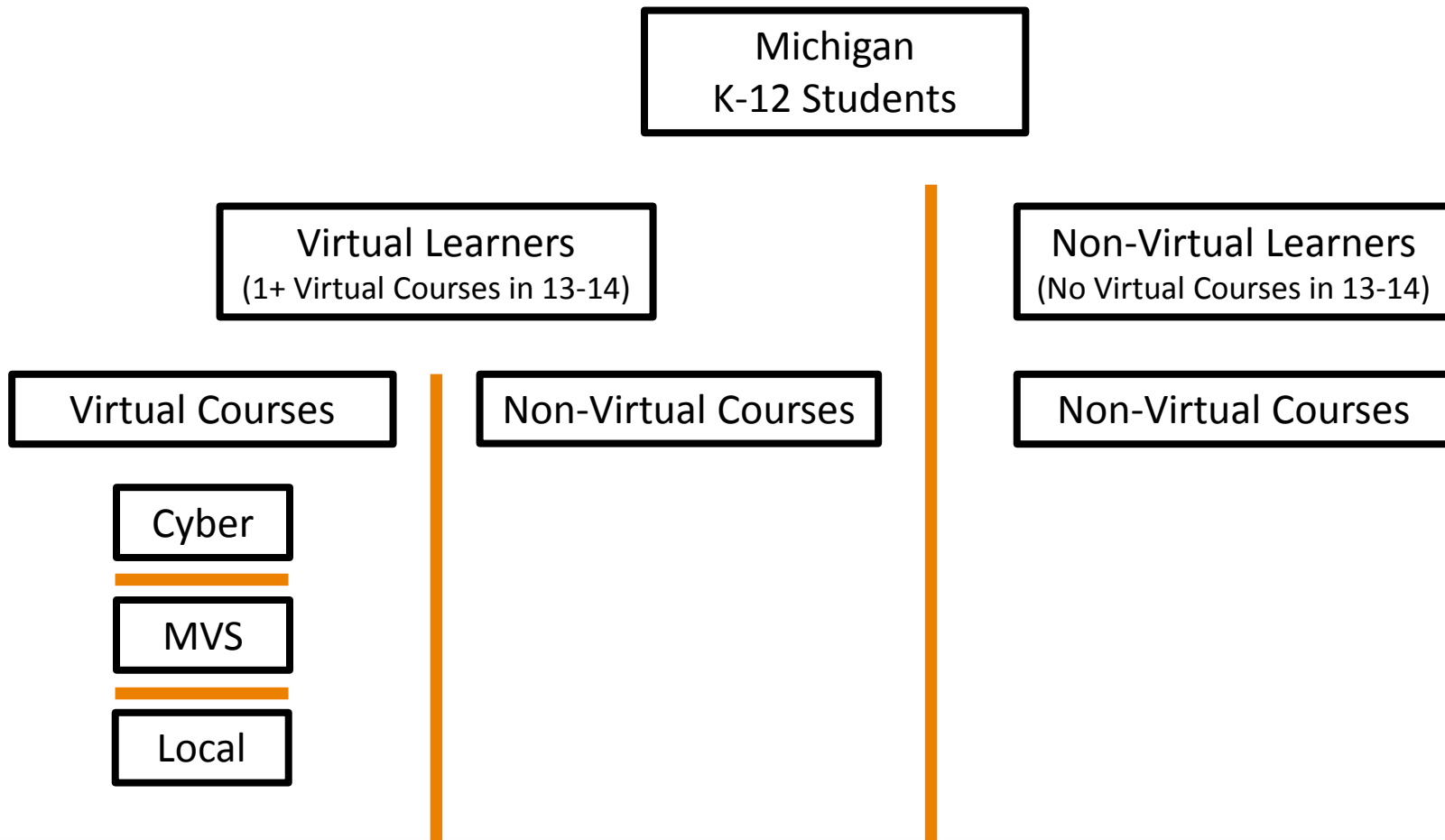
VIRTUAL LEARNERS MAY OR MAY NOT HAVE TAKEN NON-VIRTUAL COURSES



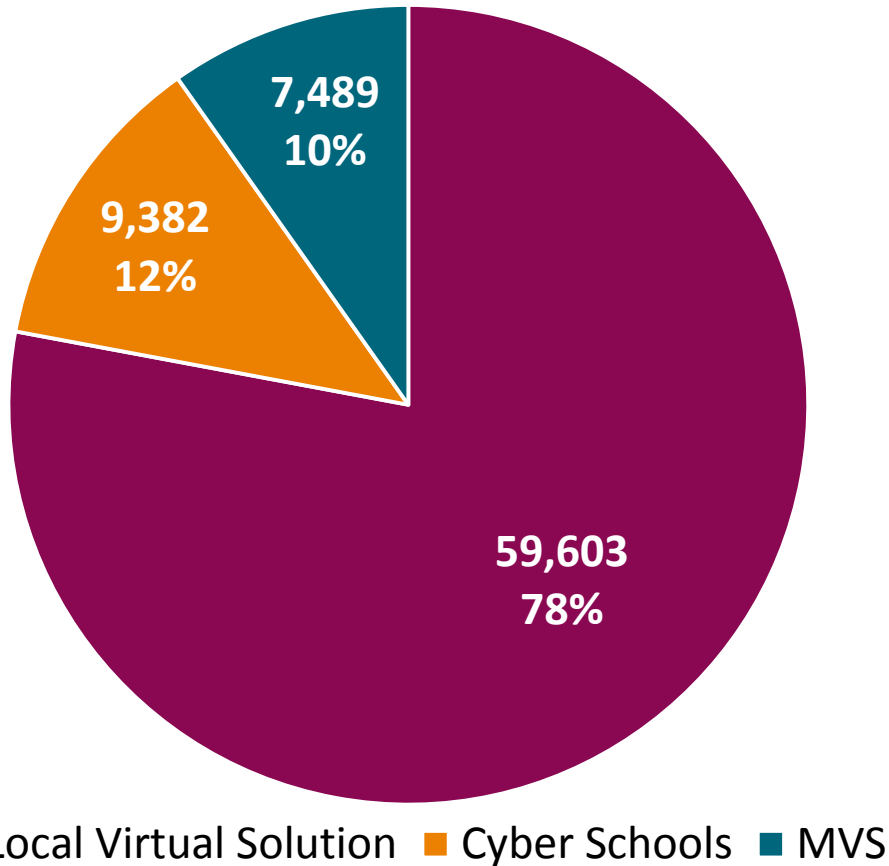
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VIRTUAL COURSES WERE BROKEN INTO THREE SUBSETS



IN THE 2013-14 SCHOOL YEAR, MORE THAN 76,000 K-12 STUDENTS WERE VIRTUAL LEARNERS



| Grade Level | 2013-14 |
|-------------|---------|
| K | 725 |
| 1 | 472 |
| 2 | 521 |
| 3 | 582 |
| 4 | 656 |
| 5 | 816 |
| 6 | 1,844 |
| 7 | 2,412 |
| 8 | 3,531 |
| 9 | 10,044 |
| 10 | 15,597 |
| 11 | 15,536 |
| 12 | 23,953 |
| Total | 76,122 |

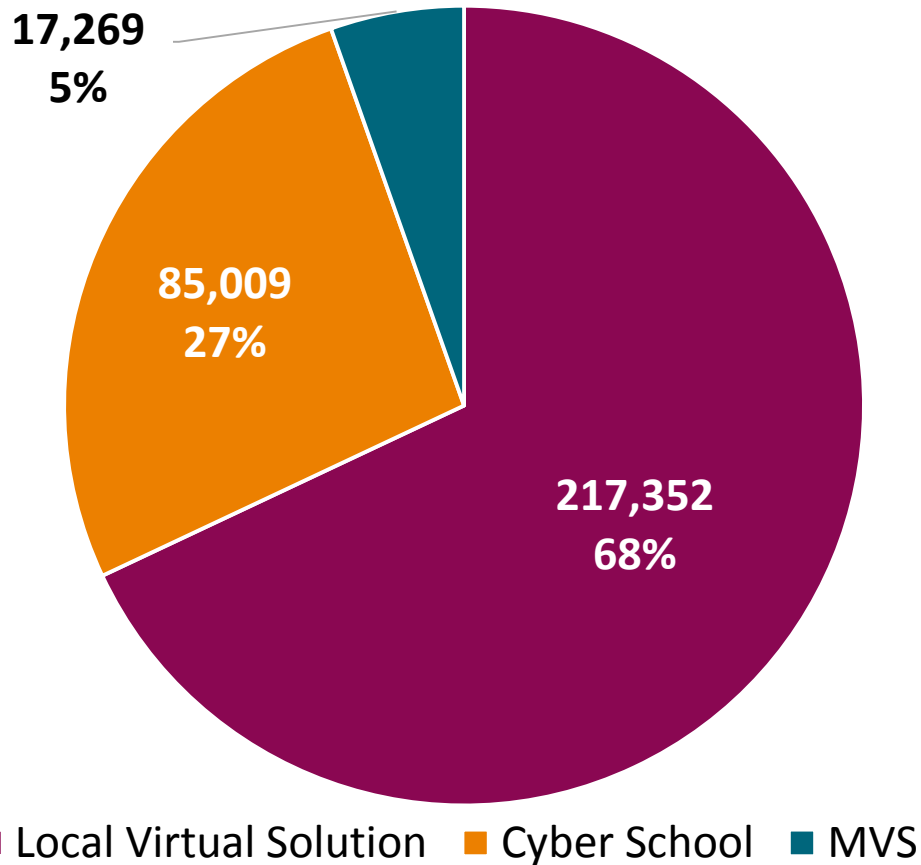
Count and Percentage of Students (n=76,122) Taking Virtual Courses by Provider



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THOSE 76,122 STUDENTS ACCOUNTED FOR MORE THAN 319,000 VIRTUAL ENROLLMENTS



| Grade Level | 2013-14 |
|-------------|---------|
| K | 5,070 |
| 1 | 4,003 |
| 2 | 4,579 |
| 3 | 4,928 |
| 4 | 6,588 |
| 5 | 6,545 |
| 6 | 8,731 |
| 7 | 12,174 |
| 8 | 16,001 |
| 9 | 42,029 |
| 10 | 59,759 |
| 11 | 58,493 |
| 12 | 90,730 |
| Total | 319,630 |

Counts and Percentages of Virtual Enrollments (n=319,630) by Provider



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VIRTUAL ENROLLMENTS DISPROPORTIONATELY CAME FROM ECONOMICALLY DISADVANTAGED STUDENTS

48%

of Michigan K-12 Pupils
are Economically
Disadvantaged



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VIRTUAL ENROLLMENTS DISPROPORTIONATELY CAME FROM ECONOMICALLY-DISADVANTAGED STUDENTS

48%

of Michigan K-12 Pupils
are Economically
Disadvantaged

64%

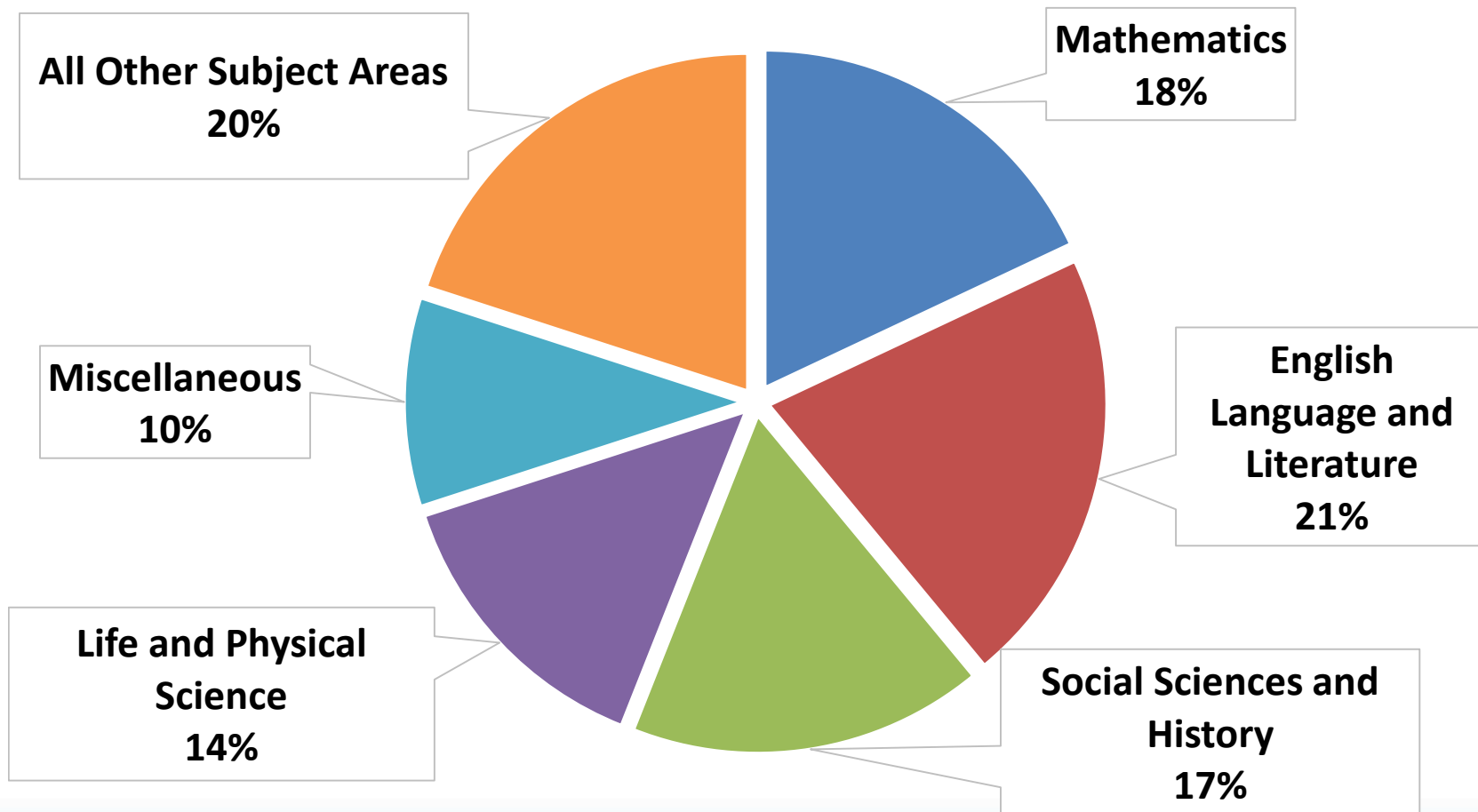
of Virtual Enrollments
were from Economically
Disadvantaged Students



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VIRTUAL ENROLLMENTS TENDED TO BE HEAVIEST IN CORE SUBJECTS



Percentages of Virtual Enrollments by Subject Area for 2013-14



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THE HIGHEST ENROLLMENT COURSES WERE THOSE REQUIRED FOR GRADUATION

English Language and Literature

English 9 (9,426 enrollments)

Science

Biology (8,905 enrollments)

Mathematics

Algebra I (10,427 enrollments)

Social Sciences

U.S. History (6,001 enrollments)

Top Michigan Supplemental (Non-Cyber) Secondary Virtual Course Enrollments by Subject



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THE MOST LIKELY SCENARIOS FOR SCHOOLS WITH VIRTUAL LEARNERS WERE:

1st

Over 100
Virtual
Enrollments



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THE MOST LIKELY SCENARIOS FOR SCHOOLS WITH VIRTUAL LEARNERS WERE:

1st

Over 100
Virtual
Enrollments

2nd

Less than 10
Virtual
Enrollments



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PASS RATE EQUALS THE % OF ENROLLMENTS THAT EARNED A “COMPLETED/PASSED” STATUS

Examples of Completion Statuses

- Audited
- Tested Out
- Ongoing Enrolled
- Completed/Passed
- Completed/Failed
- Withdrawn/Exited
- Withdrawn/Passing
- Withdrawn/Failed



NON-VIRTUAL LEARNERS PASSED THEIR FACE-TO-FACE COURSES 89% OF THE TIME



Non-Virtual Learners



Virtual Learners

Face-to-Face Courses

89%

Virtual Courses

X



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VIRTUAL LEARNERS PASSED THEIR FACE-TO-FACE COURSES 71% OF THE TIME



Non-Virtual Learners



Virtual Learners

Face-to-Face Courses

89%

71%

Virtual Courses

X



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VIRTUAL LEARNERS PASSED THEIR VIRTUAL COURSES 57% OF THE TIME



Non-Virtual Learners



Virtual Learners

Face-to-Face Courses

89%

71%

Virtual Courses

X

57%



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COMPLETED/PASSED RATES VARIED BY VIRTUAL SUBSET AND DELIVERY TYPE



MVS Students



Local Students

Face-to-Face Courses

86%

69%

Virtual Courses

72%

57%

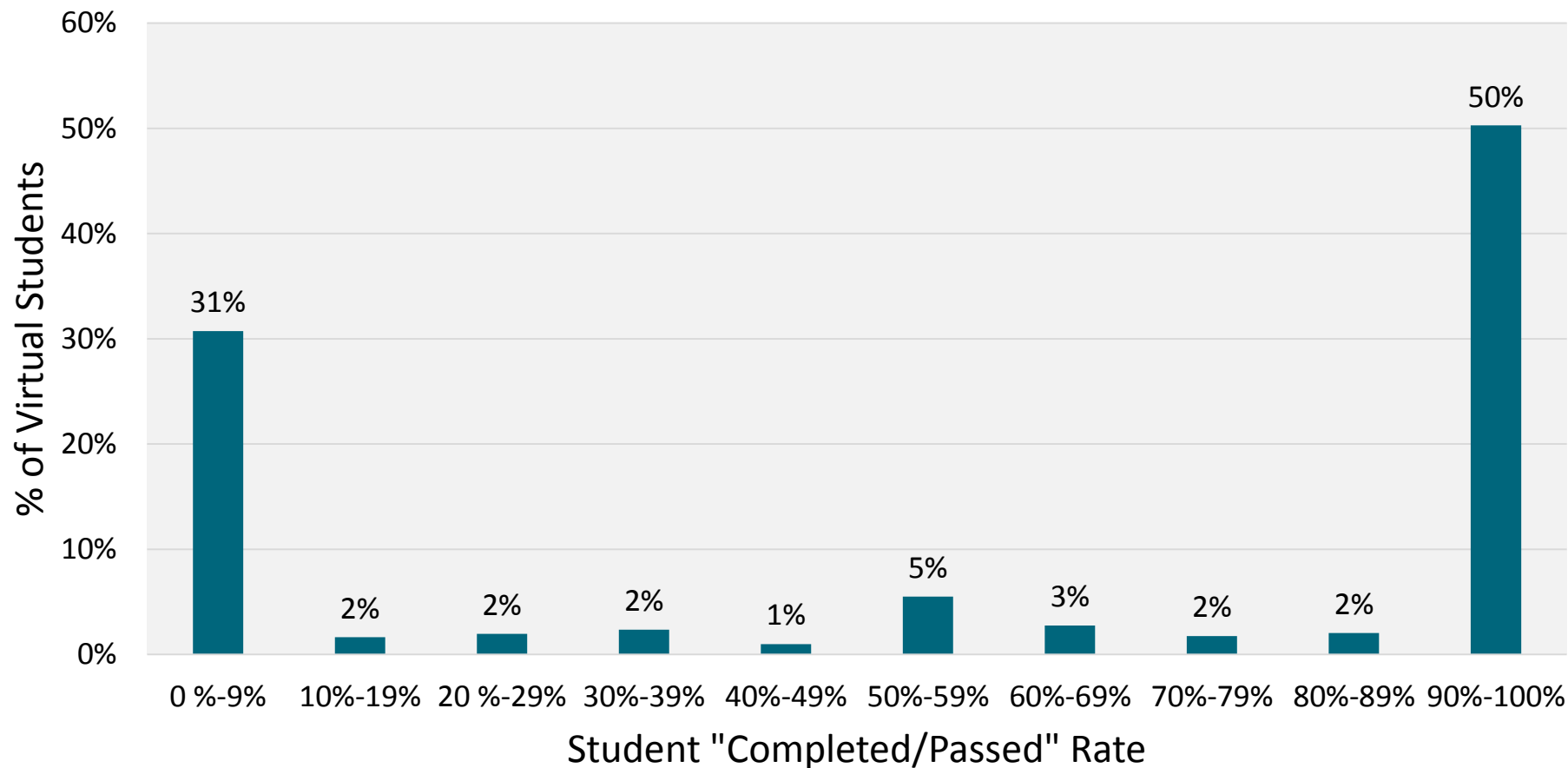


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STUDENT PASS RATES AS OPPOSED TO ENROLLMENT

PASS RATES PROVIDE AN IMPORTANT GLIMPSE



Percent of MVS and Local Virtual Subsets Passing All or None of Their Virtual Courses by Virtual Course Count



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OF THE STUDENTS WHO TOOK ONLY 1 VIRTUAL COURSE IN 2013-14

16,068

Students Passed the
1 Course



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OF THE STUDENTS WHO TOOK ONLY 1 VIRTUAL COURSE IN 2013-14

16,068

Students Passed the
1 Course

8,391

Students Failed the
1 Course



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OF THE STUDENTS WHO TOOK 6 VIRTUAL COURSES IN 2013-14

938

Students Passed All
6 Courses



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OF THE STUDENTS WHO TOOK 6 VIRTUAL COURSES IN 2013-14

938

Students Passed All
6 Courses

2,562

Students Failed All
6 Courses



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CONSIDERING ALL STUDENTS WHO TOOK VIRTUAL COURSES IN 2013-14

37,489

Students
Passed All
Their Virtual
Courses



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CONSIDERING ALL STUDENTS WHO TOOK VIRTUAL COURSES IN 2013-14

37,489

Students
Passed All
Their Virtual
Courses

22,959

Students Failed
All
Their Virtual
Courses



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CONSIDERING ALL STUDENTS WHO TOOK VIRTUAL COURSES IN 2013-14

37,489

Students
Passed All
Their Virtual
Courses

15,674

Students
Had
Mixed Results

22,959

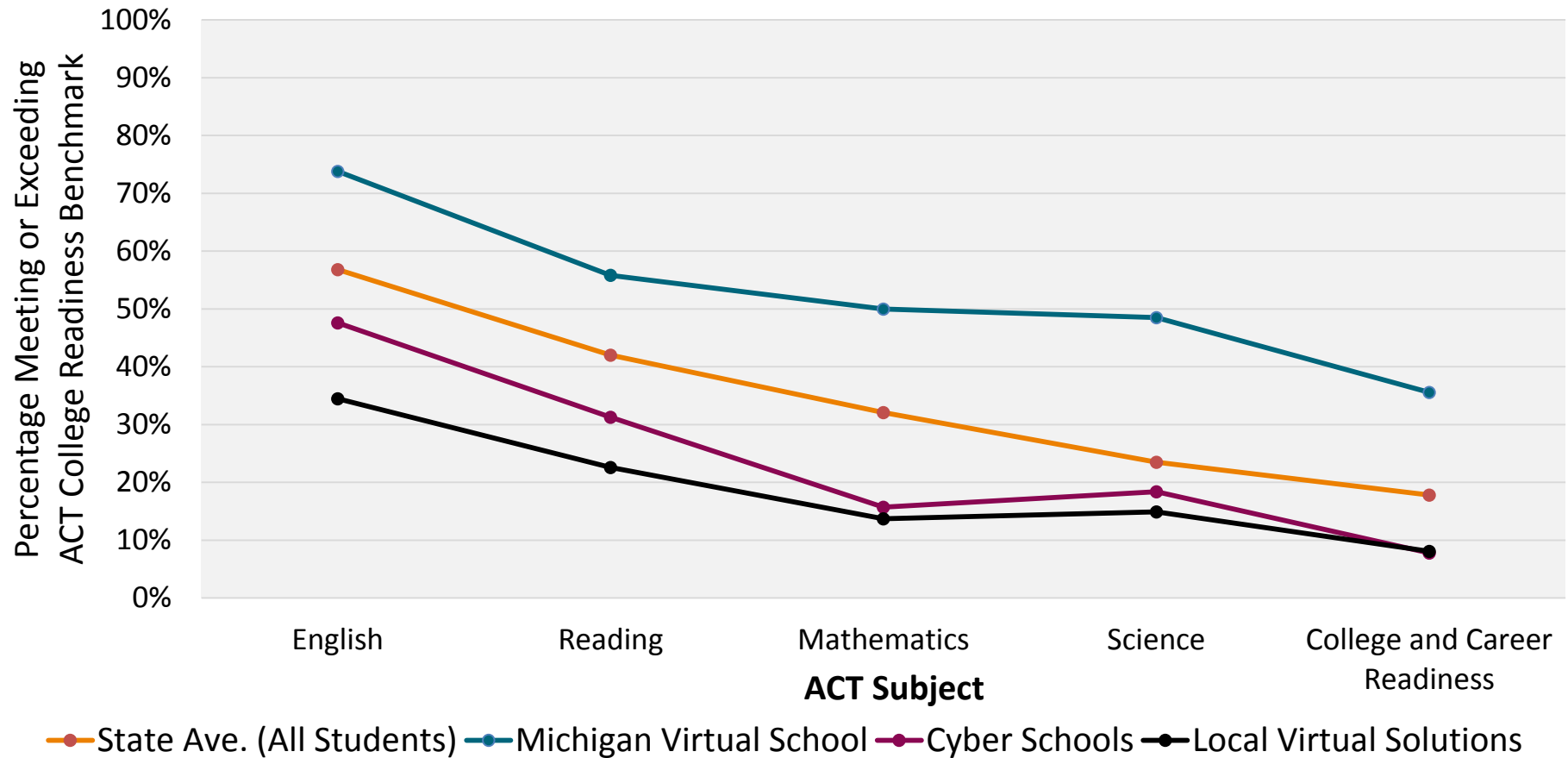
Students Failed
All
Their Virtual
Courses



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THERE WERE CLEAR PERFORMANCE DIFFERENCES BASED ON VIRTUAL SUBSET



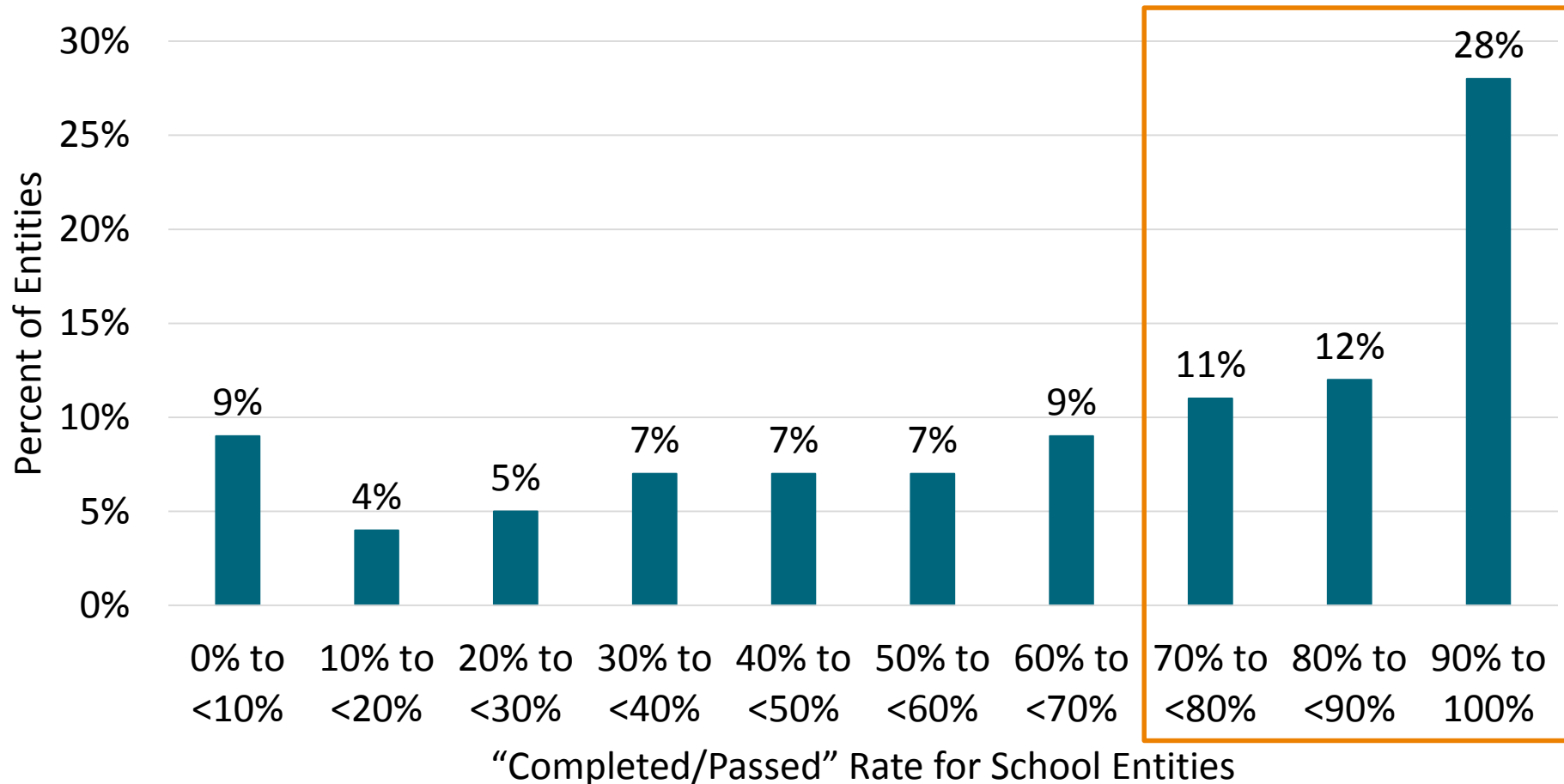
Percentage Meeting or Exceeding ACT College Readiness Benchmarks per Subject for Virtual Learners and the State By Virtual Subset



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SOME SCHOOLS ARE IMPLEMENTING SUCCESSFUL VIRTUAL PROGRAMS



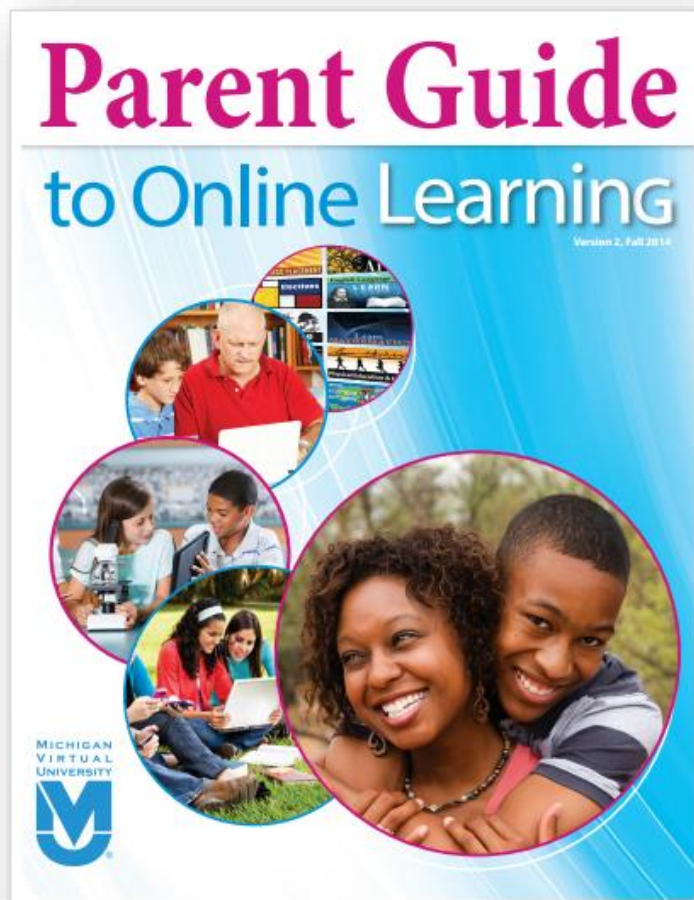
Percentages of Entities by School "Completed/Passed" Rate Categories and School Year



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IMPROVING OUTCOMES STATEWIDE WILL REQUIRE EDUCATING PARENTS



Available at <http://media.mivu.org/institute/pdf/parentguide.pdf>



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IT WILL REQUIRE GROWING LOCAL SCHOOLS' CAPACITY AND SKILLS FOR MENTORING ONLINE LEARNERS




Available at https://micourses.org/resources/pdf/toolkit/mentor_guide_14.pdf




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AND BETTER PREPARING STUDENTS FOR WHAT TO EXPECT IN THEIR ONLINE COURSES

**Online Learning Orientation Tool™**

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Menu Glossary

- Online vs. Traditional
- Unit 1 Overview
- Overview of Online Learning
- What to Expect
- ▶ Lesson 1.1: Kind of Work
- ▶ Lesson 1.2: Amount of Time
- ▶ Lesson 1.3: Effort Required
- ▶ Lesson 1.4: Amount of Reading
- ▶ Lesson 1.5: Trade-Offs
- Unit 1 Quiz

Online Vs. Traditional

Resources

ONLINE LEARNING ORIENTATION TOOL

A free learning resource from MVU

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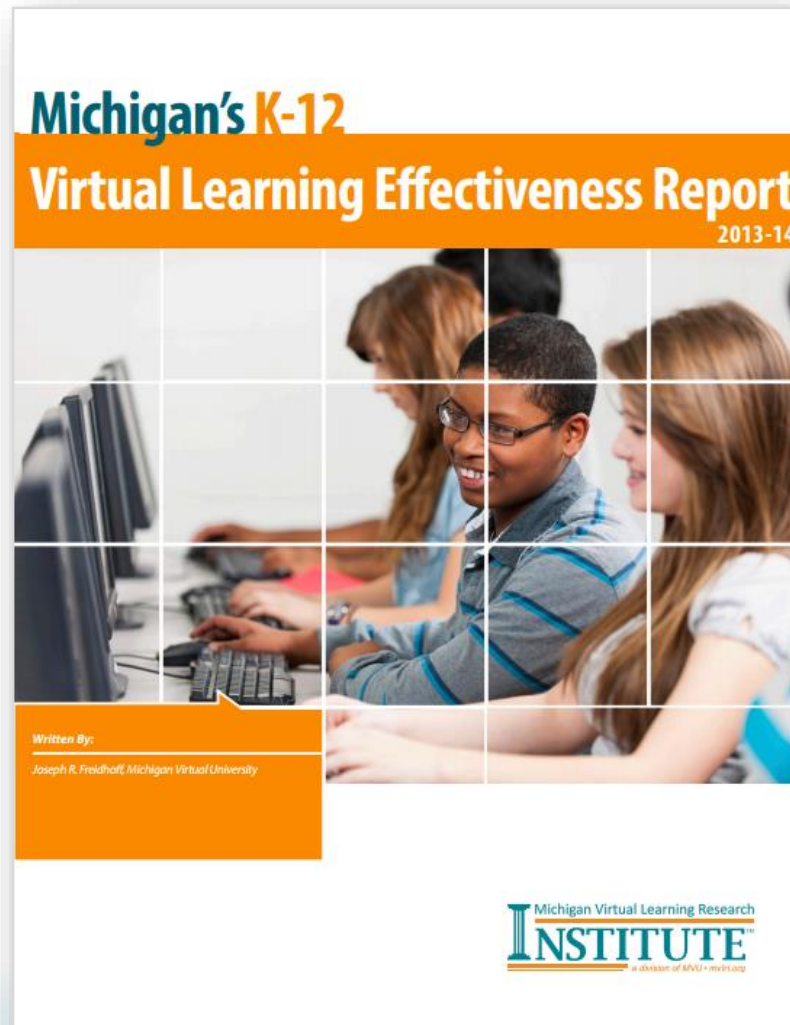
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IN CONCLUSION, CONTINUED RESEARCH TO SCALE SUCCESSFUL VIRTUAL LEARNING IS NEEDED



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Thank You

Michigan's K-12 Virtual Learning Effectiveness Report 2013-14



Written By:

Joseph R. Freidhoff, Michigan Virtual University

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